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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/621,645	07/24/2000	Robert E. Bridges	042021-5002	5432	
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Morgan Lewis & Bockius LLP			EXAM	EXAMINER	
1800 M Street NW Washington, DC 20036			LEE, HWA S		
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			2877		
			DATE MAILED: 05/30/2003		

Please find below and/or attached an Office communication concerning this application or proceeding.

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TECHNOLOGY CENTER 2800

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Andrew H. Lee - The MAILING DATE of this communication app ars on th cover sheet with the correspondence address Period 1 r R ply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. Eathercome during the one has interested the communication of the product of reply specified above is base has they (30) above, an apply within the baladory evaluation of theiry (30) days will be addressed to the communication. If the period for reply specified shows is base has their by (30) above, an apply within the baladory evaluation of theiry (30) days will be communication. If the period for reply specified shows is base has the baladory evaluation of theiry (30) days will be considered timely. If the period for reply specified above is base has the thin the period of the communication of their period shows and soft produce and the period of the communication. Any reply received by the Office later than three mostles after the mailing date of this communication, even if invely fined, may reduce any control particular time alpharmore. Set of TCR 17-96. A proper than a polication is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-32 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 5) Claim(s) is/are allowed. 6) Claim(s) is/are allowed. 7) Claim(s) and 38 is/are objected to by the Examiner. Application Papers 9) The specification is objected to by the Examiner. Application Papers 9) The proposed drawing correction filed on is/are: all accepted or bl objected to by the Examiner. If approved, corrected drawings are required in reply to this Office action. 10) The proposed drawing correction filed on is/are: all accepted or bl objected to by the Exam	Offic Acti n Summary		09/621,645	BRIDGES ET AL.			
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Application/Control Number: 09/621,645

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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 1-32, 34-37, and 39-42 are rejected under 35 U.S.C. 102(b) as being anticipated by Pettersen (WO 97/14015).

For claims 1,16-26, 30, 36, 37, and 40, Pettersen shows a system for point-by-point measuring of spatial coordinates comprising:

a stationary portion (1) having at least a first laser radiation source (32) and at least a first optical detector (38);

a rotatable portion (21-25) that is rotatable with respect to the stationary portion; at least a first optical fiber system or path (33, 36, 26, 22, 21), the emission end (22, 21) disposed on the rotatable portion, wherein an emission direction of the laser radiation is controlled according to the rotation of the rotatable portion;

a retroreflective target (4-8);

an optical coupler (28);

an orientation camera (38).

As for claim 4, three dimensions of position and three dimensions of orientation are determined.

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As for claim 5, a second arrangement is on element 3a.

As for claims 6-9 and 39, please see elements 21-28.

As for claim 10, please see retroreflector 6.

As for claim 11, 34, and 35, please see camera 39.

As for claims 12, 13, 28, and 29, please see actuators 23 and 25.

As for claims 14, 15, and 27please see optical fiber systems 30-33 and 36.

As for claim 31 and 32, please see lenses 35, 26.

Allowable Subject Matter

- Claims 22 and 38 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- The following is a statement of reasons for the indication of allowable subject matter:

 The prior art of record fails to show or to suggest a laser based coordinate measuring device comprising of the elements as presently claimed wherein the orientation camera is disposed on the rotatable structure or wherein the locator camera includes a plurality of light sources disposed substantially circumferentially about a central point, and a detector disposed substantially at the central point.

Papers related to this application may be submitted to Technology Center (TC) 2800 by facsimile transmission. Papers should be faxed to TC 2800 via the PTO Fax Center located in CP4-4C23. The faxing of such papers must conform with the notice published in the Official

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Gazette, 1096 OG 30 (November 15, 1989). The CP4 Fax Center numbers are 703-872-9318 for regular communications and 703-872-9319 for After Final communications

If the Applicant wishes to send a Fax dealing with either a Proposed Amendment or for discussion for a phone interview then the fax should:

- a) Contain either the statement "DRAFT" or "PROPOSED AMENDMENT" on the Fax Cover Sheet; and
 - b) Should be unsigned by the attorney or agent.

This will ensure that it will not be entered into the case and will be forwarded to the examiner as quickly as possible.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0956.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Andrew Hwa Lee whose telephone number is (703) 305-0538.

The examiner can normally be reached on M-Th. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Frank Font can be reached on 703-308-4881.

Andrew Lee Patent Examiner Art Unit 2877 May 23, 2003/ahl Frank Font Supervisory Patent Examiner

Art Unit 2877

AD. SM